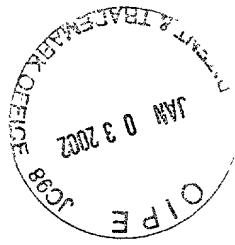


Prior Art

Fig. 1



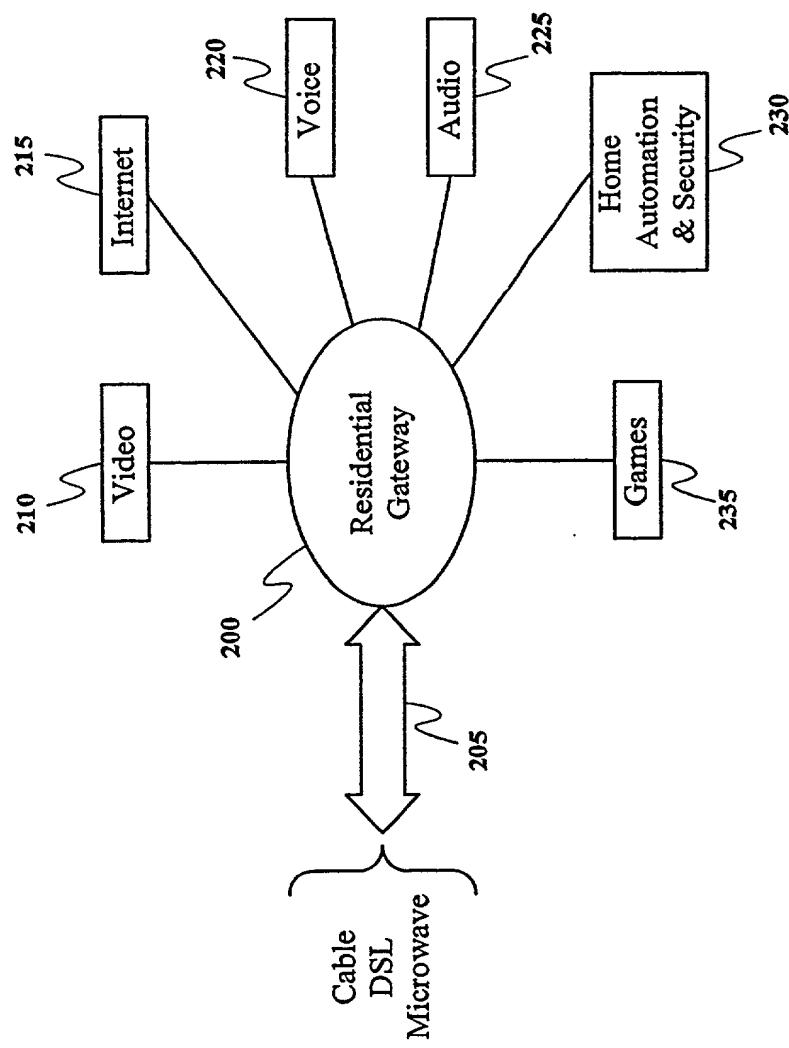


Fig. 2

Fig. 3

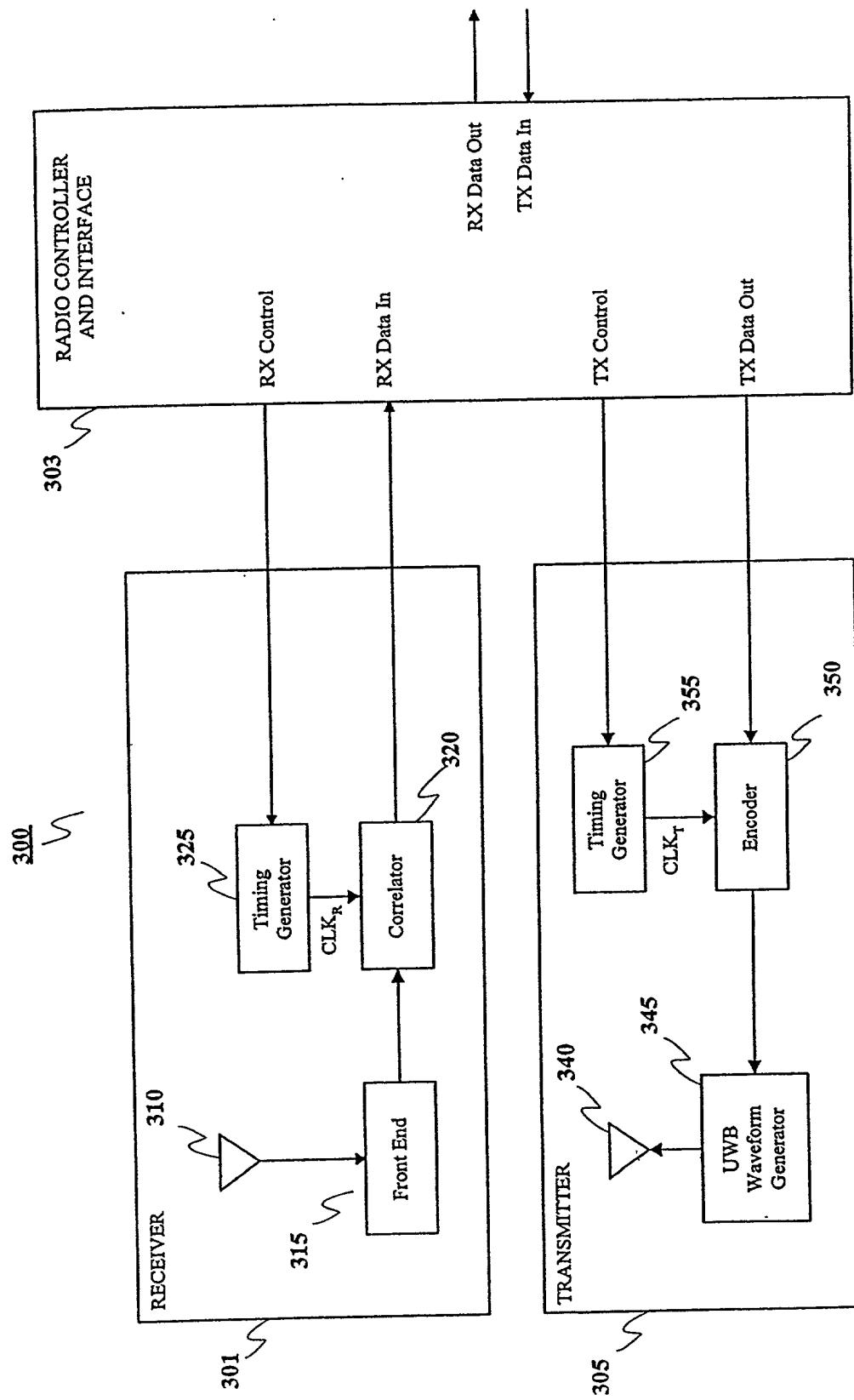
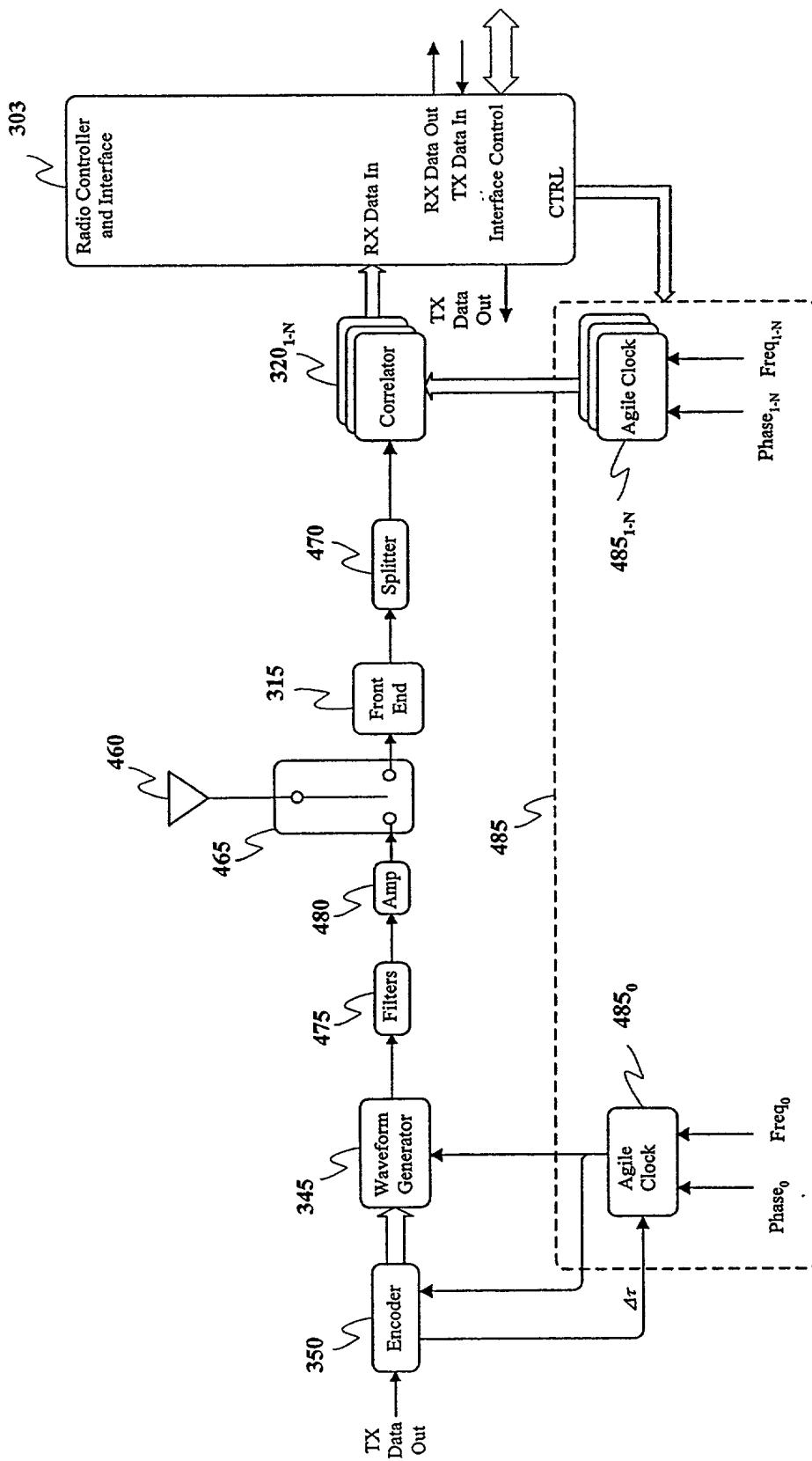


Fig. 4



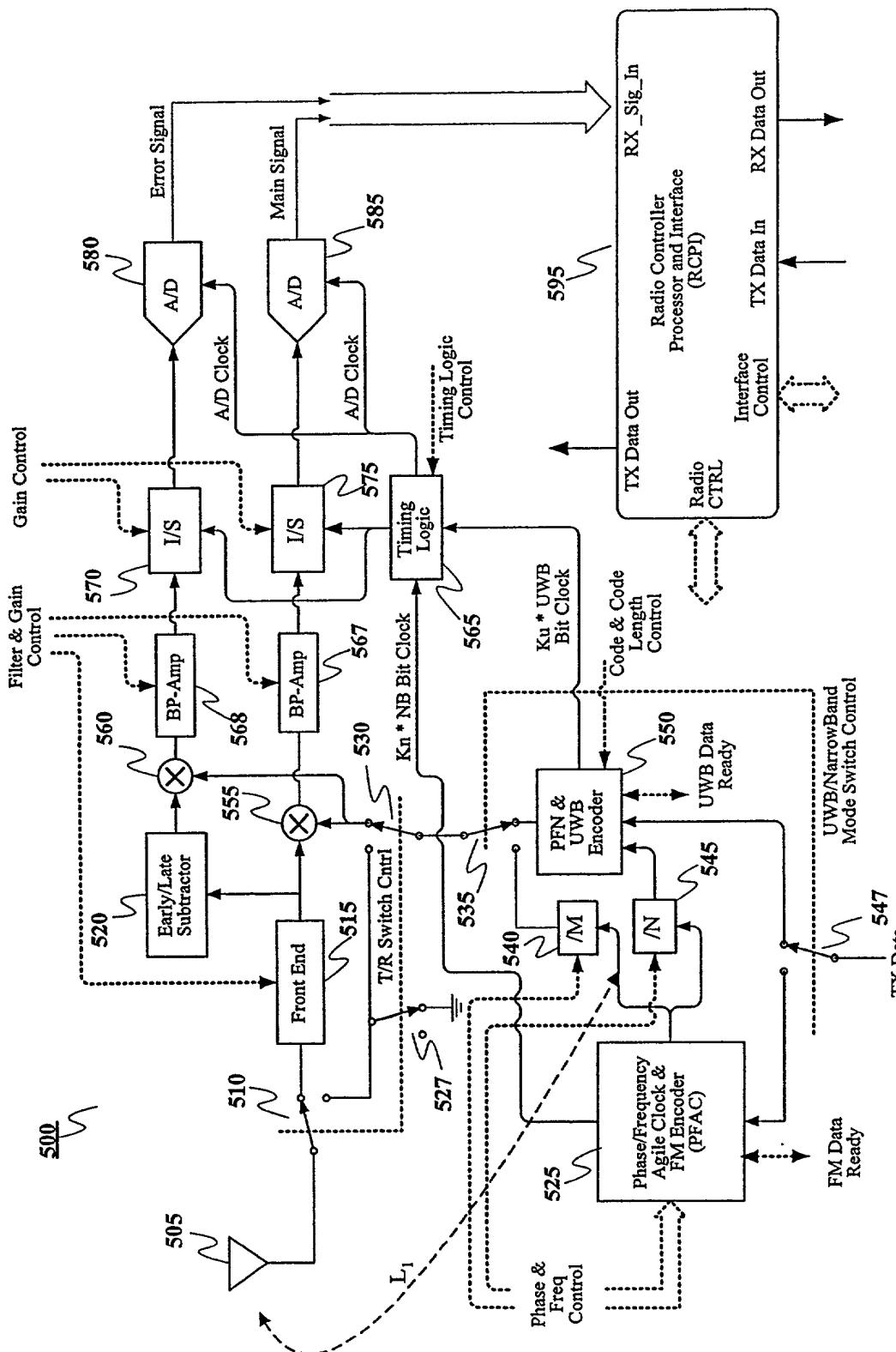


Fig. 5

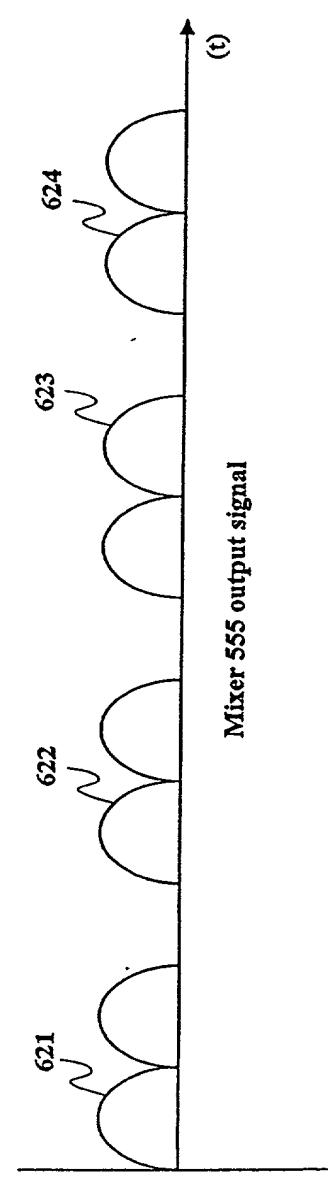
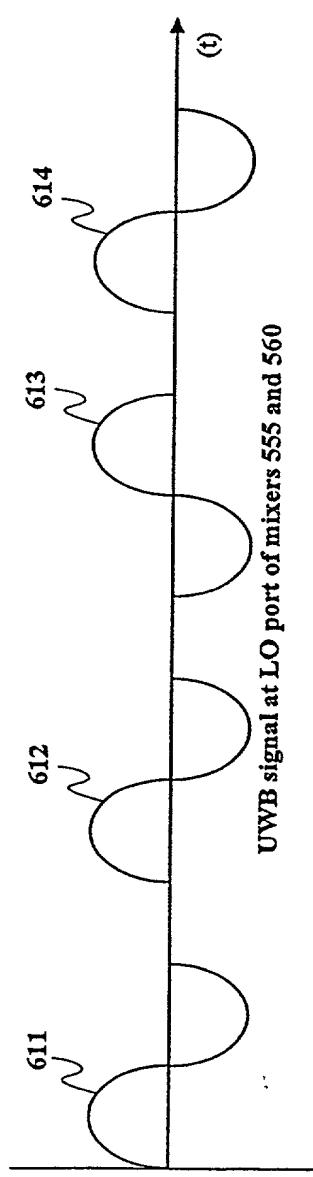
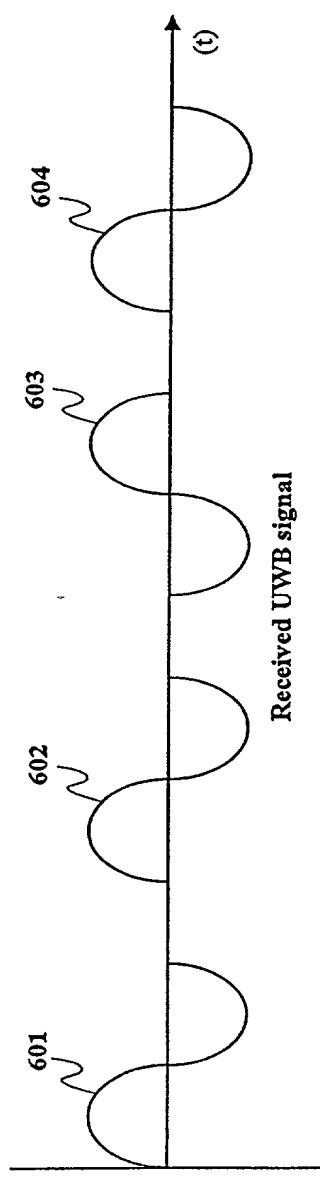
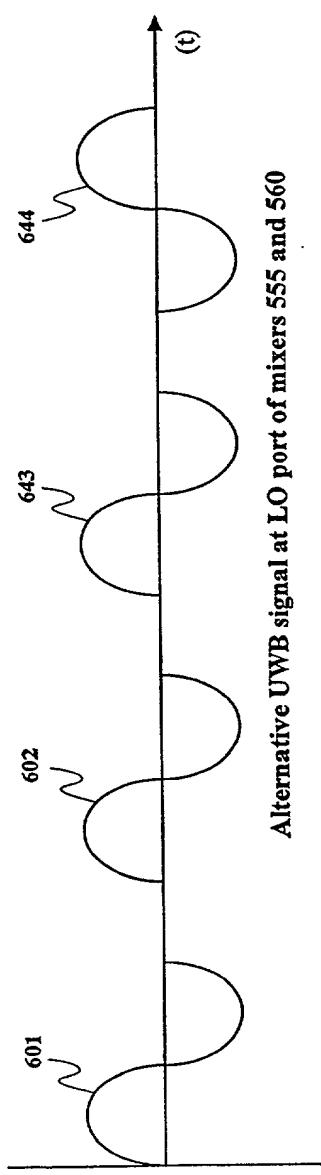
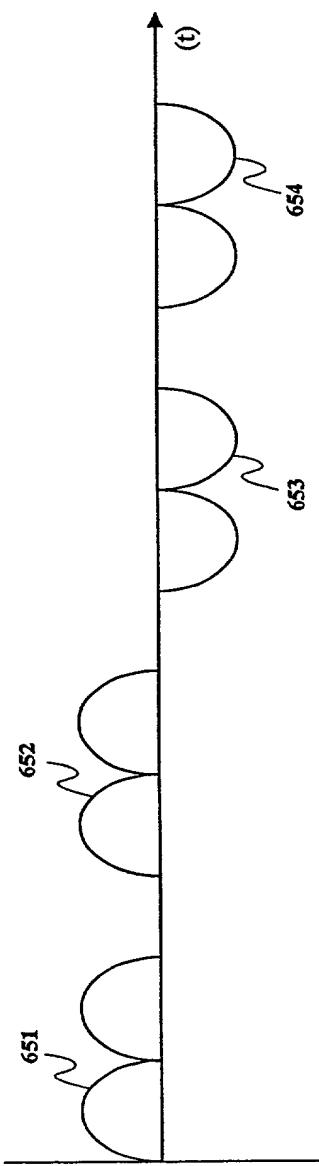


Fig. 6D



Alternative UWB signal at LO port of mixers 555 and 560

Fig. 6E



Resulting alternative mixer 555 output signal

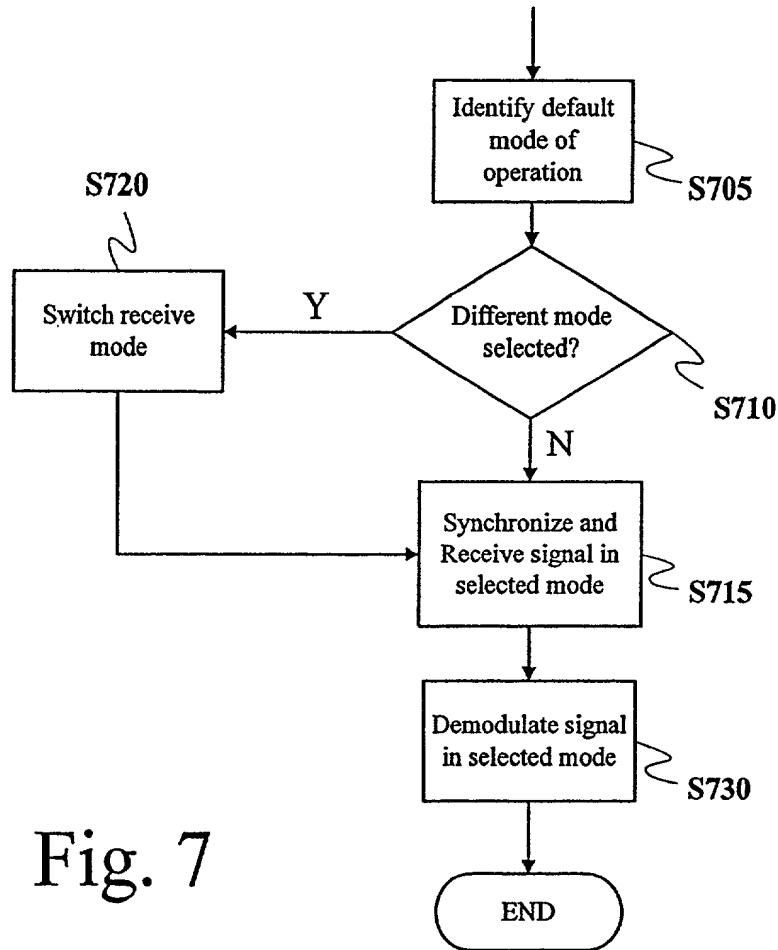


Fig. 7

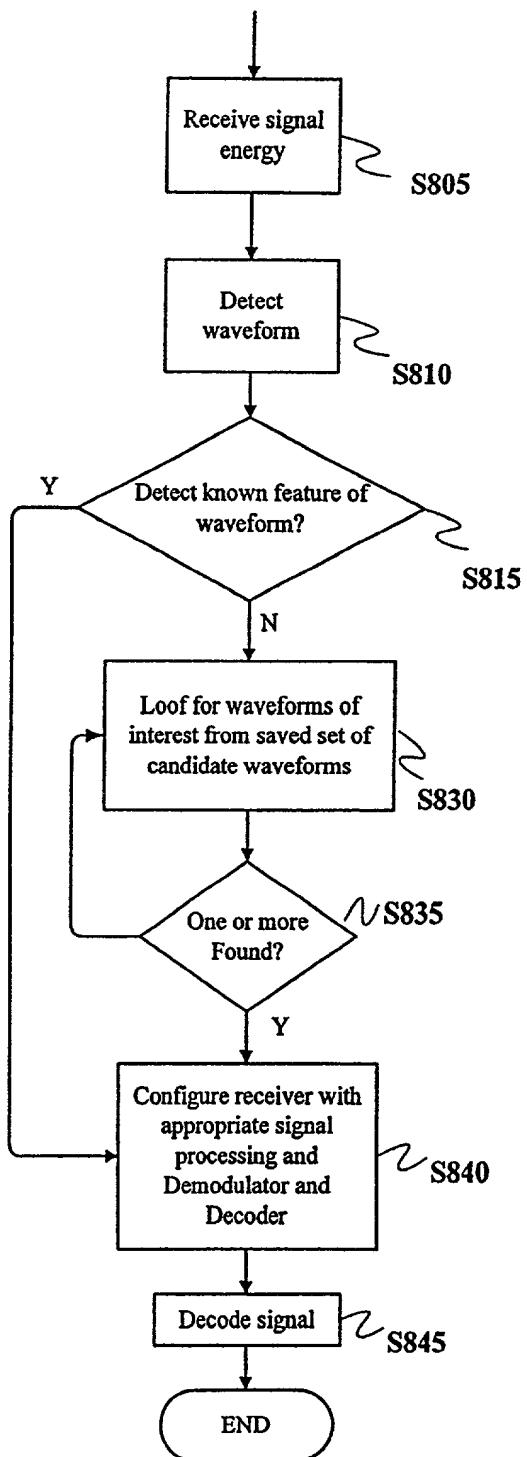


Fig. 8

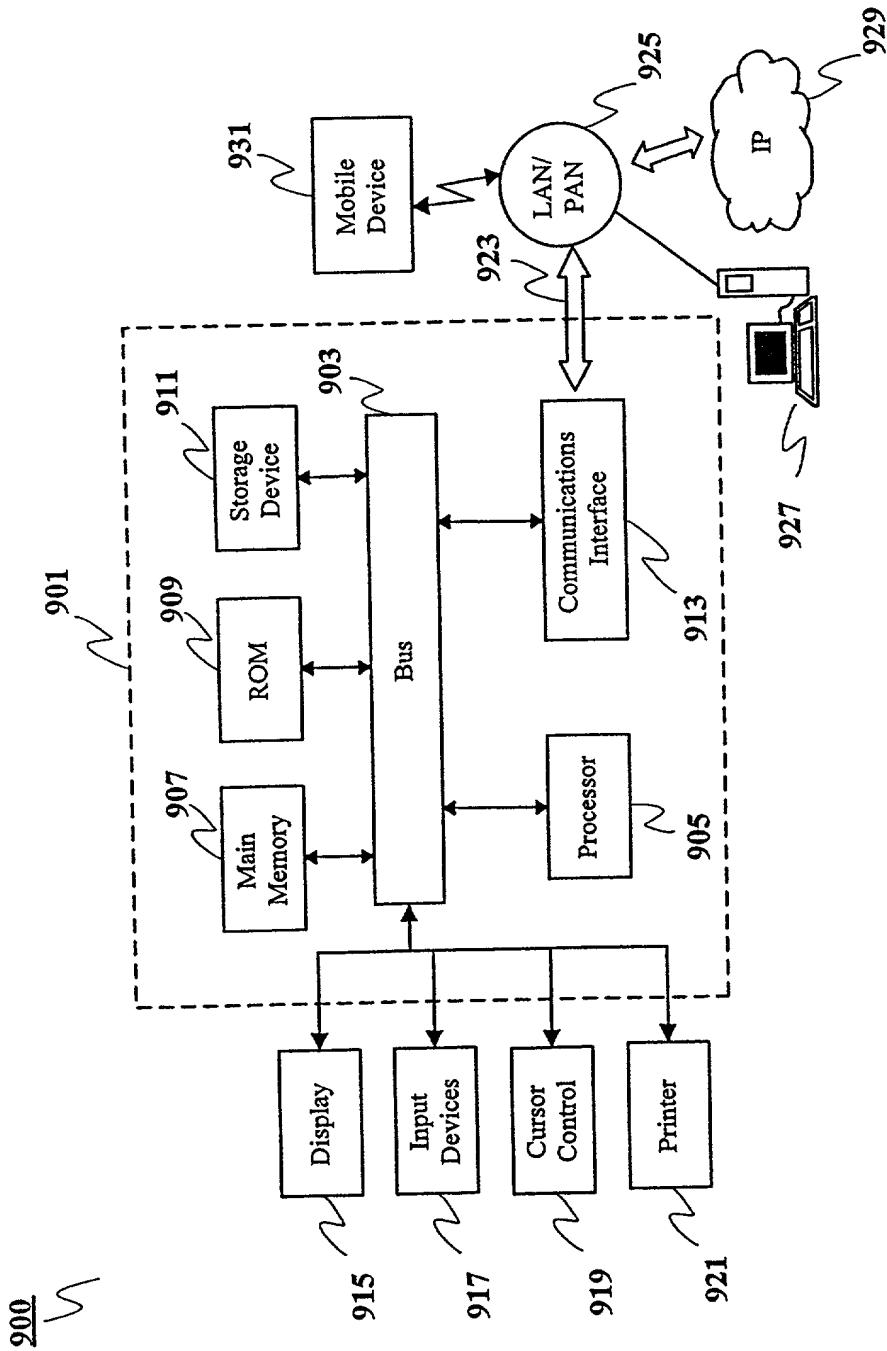


Fig. 9

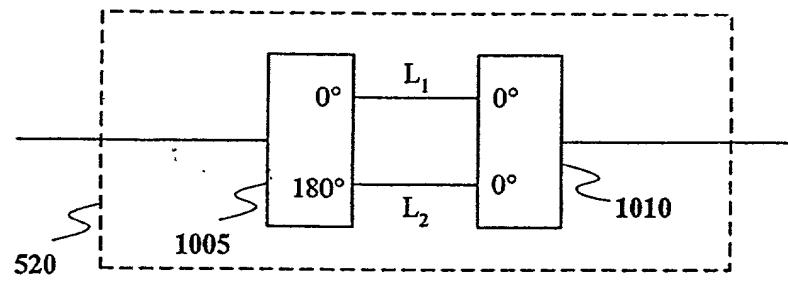


Fig. 10A

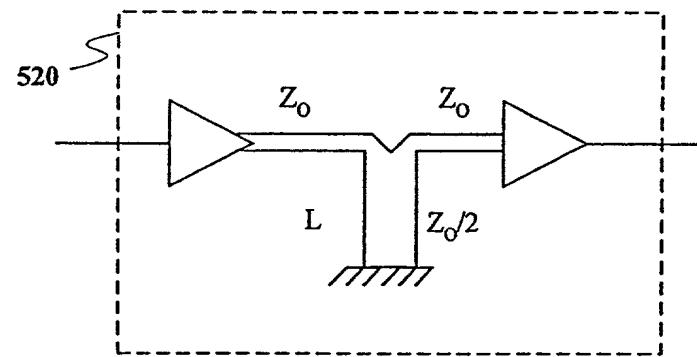


Fig. 10B

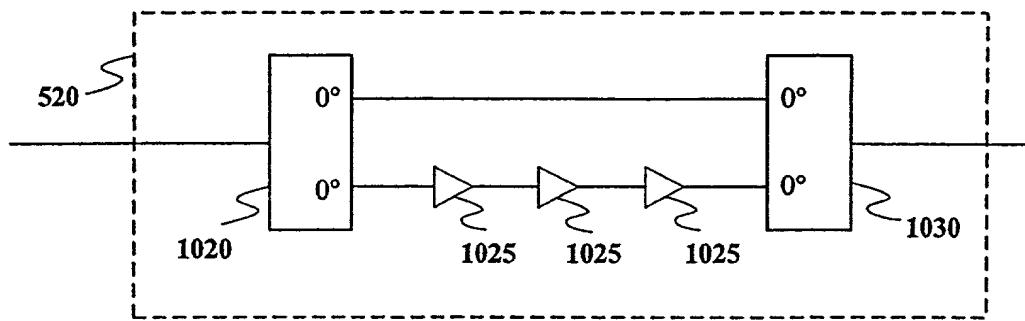


Fig. 10C

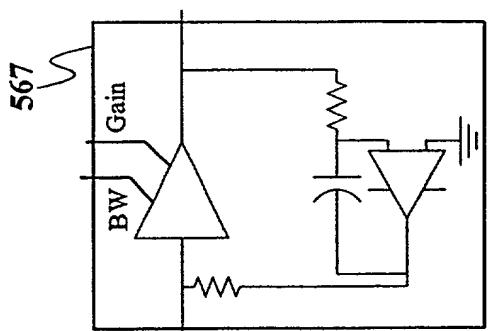


Fig. 11A

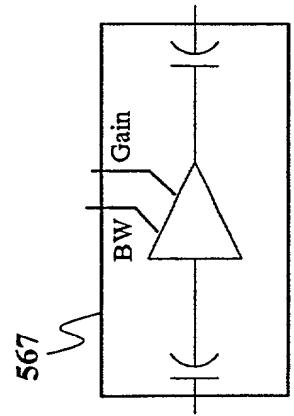


Fig. 11B

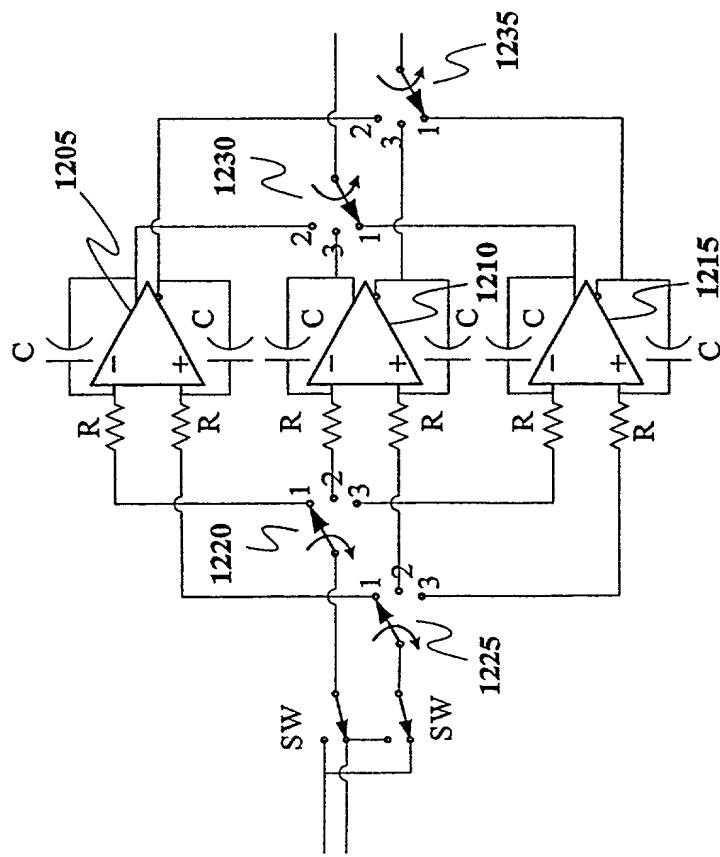


Fig. 12A

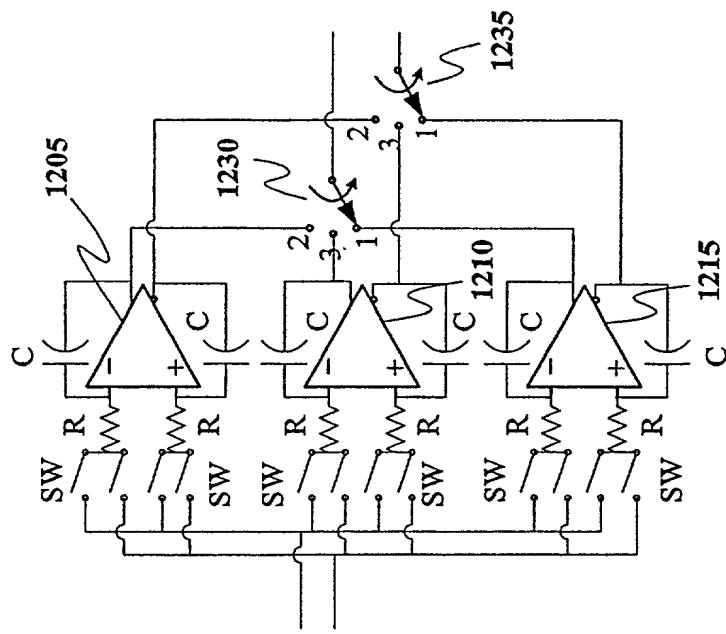


Fig. 12B

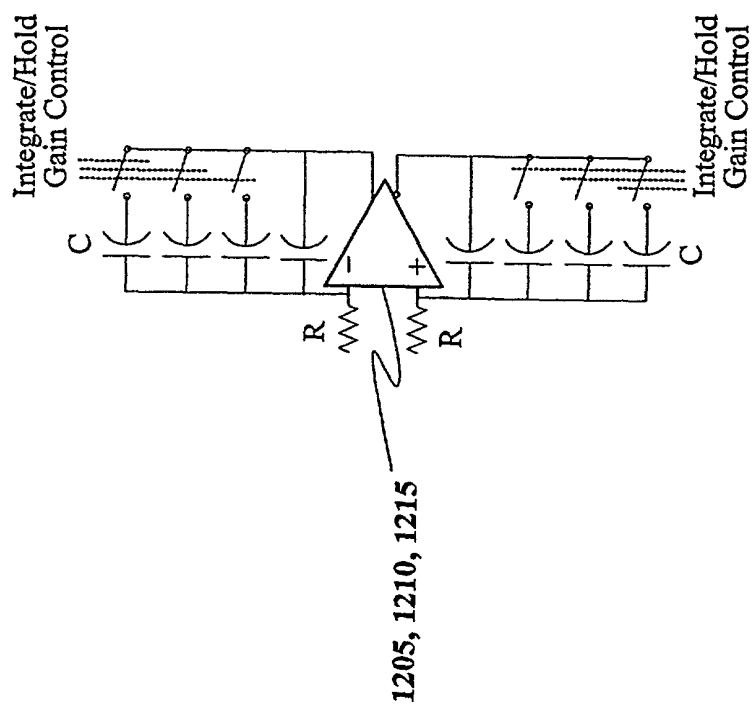


Fig. 13

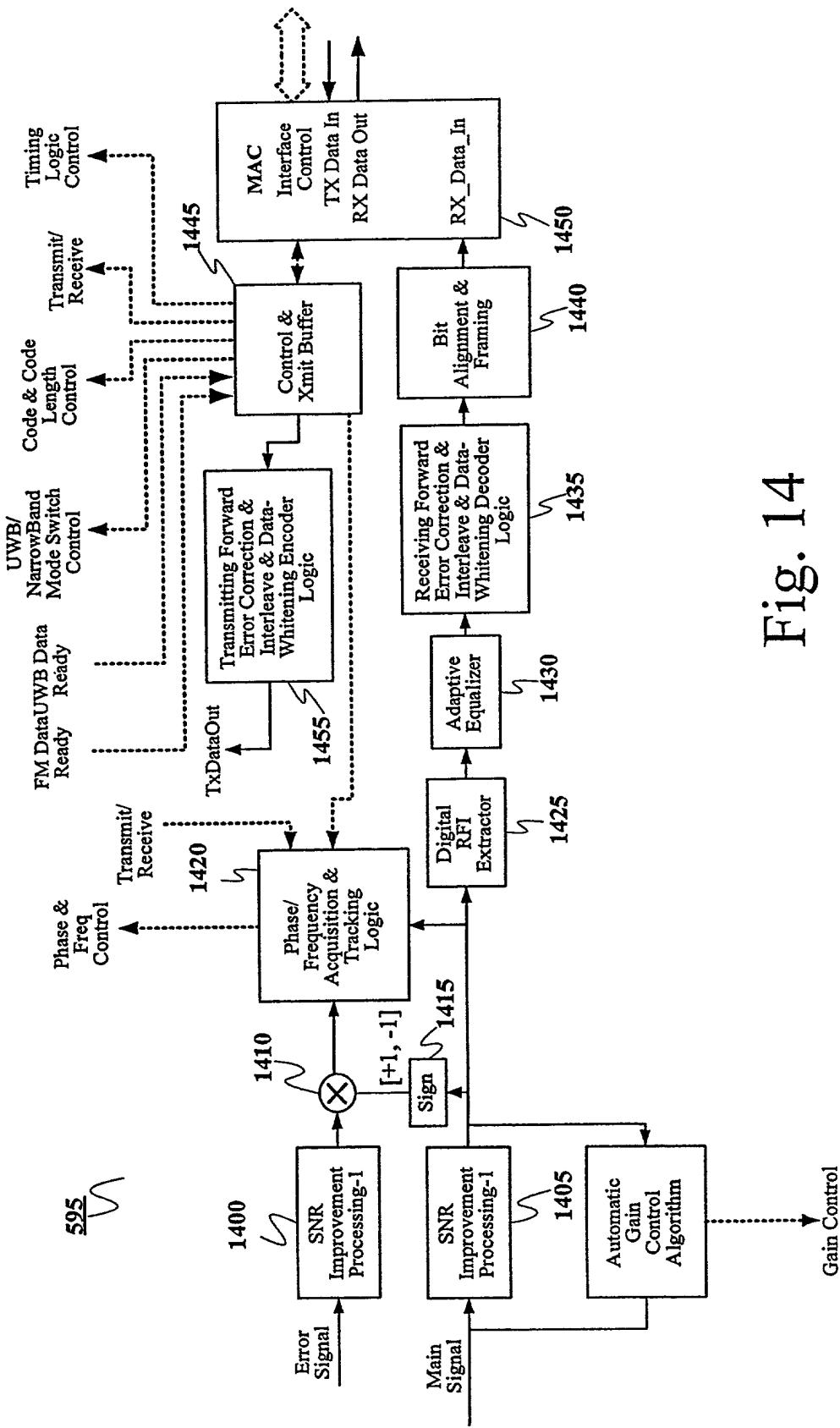


Fig. 14